BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
1	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P No-27,I No-5.33)								
	For Drain Desilt	Sqm							
	Ambedkar nagara								
	3rd main Road		2	70.00	0.75		105.00		
	2nd main road		2	50.00	0.75		75.00		
							180.00		
	consider 50% for R & R						90.00		
							90.00	111.30	10017.00
	Basic Rate Rs.=	105.00							
	Add 6% A.W Rs. =	6.30							
	Total Rate Rs. =	**111.30**							
2	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1 Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P No-143, I No-19.1)								
		Cum							
	For Drain Desilt								
	Ambedkar nagara								
	3rd main Road		2	70.00	0.45	0.40	25.20		
	2nd main road		2	50.00	0.45	0.40	18.00		
							43.20	215.28	9300.10
	Basic Rate Rs.=	130.00							
	Add 6% A.W Rs. =	7.80							
	Sub Total =	137.80							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	**215.28**							
3	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For drain cover slab	Sqm							
	missing/damaged from item no.01						90.00		
							90.00	2337.00	210330.00
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S R 2018-19)								
	For RCC Drain Raising	Cum							
	Ambedkar nagara								
	3rd main Road		4	70.00	0.15	0.15	6.30		
	2nd main road		4	50.00	0.15	0.15	4.50		
					Net Qty		**10.80**	7070.20	76355.16

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Basic Rate Rs =	6670.00							
	Add 6% A.W Rs. =	400.20							
	Total Rate Rs. =	**7070.20**							
5	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 with 8km lead= (I No-18.47,P No-140)								
	For Concrete Road	Cum							
	Ambedkar nagara								
	2nd main road		1	71.00	3.80	0.25	67.45		
	3rd main road		1	50.00	4.50	0.25	56.25		
	Cross Road-1		1	27.00	2.20	0.25	14.85		
	Cross Road-2		1	27.00	2.50	0.25	16.88		
	Cross Road-3		1	27.00	2.20	0.25	14.85		
	Cross Road-4		1	27.00	3.00	0.25	20.25		
	Cross Road-5		1	42.00	2.40	0.25	25.20		
	Cross Road-6		1	45.00	2.10	0.25	23.63		
	Cross Road-7		1	45.00	3.00	0.25	33.75		
	Cross Road-8		1	45.00	3.20	0.25	36.00		
	Cross Road-9		1	151.00	3.50	0.25	132.13		
	Cross Road-10		1	150.00	3.80	0.25	142.50		
	Cross Road-11		1	21.00	2.50	0.25	13.13		
	Cross Road-12		1	11.00	2.70	0.25	7.43		
	Temple surround		1	8.00	10.00	0.25	20.00		
	Cross road A		1	40.00	4.00	0.15	24.00		
	Cross road B		1	50.00	3.50	0.15	26.25		
							674.53	973.42	656596.13
	Basic Rate Rs =	899.00							
	Add 6% A.W Rs. =	53.94							
	Sub Total =	952.94							
	8Km Lead, Loading and Unloading =(2*1.28*8)	20.48							
	Total Rate Rs. =	**973.42**							
6	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision (I No-20.5,P No-153)								
	For Concrete Road Cut portion	Cum							
	Ambedkar nagara								
	2nd main road		1	71.00	1.00	0.20	14.20		
	3rd main road		1	50.00	1.00	0.20	10.00		
	Cross Road-1		1	27.00	1.00	0.20	5.40		
	Cross Road-2		1	27.00	1.00	0.20	5.40		
	Cross Road-3		1	27.00	1.00	0.20	5.40		
	Cross Road-4		1	27.00	1.00	0.20	5.40		
	Cross Road-5		1	42.00	1.00	0.20	8.40		
	Cross Road-6		1	45.00	1.00	0.20	9.00		
	Cross Road-7		1	45.00	1.00	0.20	9.00		
	Cross Road-8		1	45.00	1.00	0.20	9.00		
	Cross Road-9		1	151.00	1.00	0.20	30.20		
	Cross Road-10		1	150.00	1.00	0.20	30.00		

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
	Cross Road-11		1	21.00	1.00	0.20	4.20		
	Cross Road-12		1	11.00	1.00	0.20	2.20		
	Temple surround		1	8.00	10.00	0.10	8.00		
							155.80	1994.92	**310808.54**
	Basic Rate Rs.=	1882.00							
	Add 6% A.W Rs. =	112.92							
	Total Rate Rs. =	**1994.92**							
7	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	For Concrete Road	Cum							
	Ambedkar nagara								
	2nd main road		1	71.00	3.80	0.15	40.47		
	3rd main road		1	50.00	4.50	0.15	33.75		
	Cross Road-1		1	27.00	2.20	0.15	8.91		
	Cross Road-2		1	27.00	2.50	0.15	10.13		
	Cross Road-3		1	27.00	2.20	0.15	8.91		
	Cross Road-4		1	27.00	3.00	0.15	12.15		
	Cross Road-5		1	42.00	2.40	0.15	15.12		
	Cross Road-6		1	45.00	2.10	0.15	14.18		
	Cross Road-7		1	45.00	3.00	0.15	20.25		
	Cross Road-8		1	45.00	3.20	0.15	21.60		
	Cross Road-9		1	151.00	3.50	0.15	79.28		
	Cross Road-10		1	150.00	3.80	0.15	85.50		
	Cross Road-11		1	21.00	2.50	0.15	7.88		
	Cross Road-12		1	11.00	2.70	0.15	4.46		
	Temple surround		1	8.00	10.00	0.15	12.00		
	Cross road A		1	40.00	4.00	0.15	24.00		
	Cross road B		1	50.00	3.50	0.15	26.25		
							424.82	5421.90	**2303304.45**
	Basic Rate Rs.=	5115.00							
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							
8	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. (P.No-176,I No-22.6.1)								
	For Concrete Road	Cum							
	Ambedkar nagara								
	2nd main road		1	71.00	3.80	0.15	40.47		
	3rd main road		1	50.00	4.50	0.15	33.75		
	Cross Road-1		1	27.00	2.20	0.15	8.91		
	Cross Road-2		1	27.00	2.50	0.15	10.13		

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
	Cross Road-3		1	27.00	2.20	0.15	8.91		
	Cross Road-4		1	27.00	3.00	0.15	12.15		
	Cross Road-5		1	42.00	2.40	0.15	15.12		
	Cross Road-6		1	45.00	2.10	0.15	14.18		
	Cross Road-7		1	45.00	3.00	0.15	20.25		
	Cross Road-8		1	45.00	3.20	0.15	21.60		
	Cross Road-9		1	151.00	3.50	0.15	79.28		
	Cross Road-10		1	150.00	3.80	0.15	85.50		
	Cross Road-11		1	21.00	2.50	0.15	7.88		
	Cross Road-12		1	11.00	2.70	0.15	4.46		
	Temple surround		1	8.00	10.00	0.15	12.00		
	Cross road A		1	40.00	4.00	0.15	24.00		
	Cross road B		1	50.00	3.50	0.15	26.25		
							424.82	5210.96	2213693.97
	Basic Rate Rs.=	4916.00							
	Add 6% A.W Rs. =	294.96							
	Total Rate Rs. =	**5210.96**							
9	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. (Page No 176 Item No 22.7)								
	For Concrete Road	Sqm							
	Ambedkar nagara								
	2nd main road		1	71.00	3.80		269.80		
	3rd main road		1	50.00	4.50		225.00		
	Cross Road-1		1	27.00	2.20		59.40		
	Cross Road-2		1	27.00	2.50		67.50		
	Cross Road-3		1	27.00	2.20		59.40		
	Cross Road-4		1	27.00	3.00		81.00		
	Cross Road-5		1	42.00	2.40		100.80		
	Cross Road-6		1	45.00	2.10		94.50		
	Cross Road-7		1	45.00	3.00		135.00		
	Cross Road-8		1	45.00	3.20		144.00		
	Cross Road-9		1	151.00	3.50		528.50		
	Cross Road-10		1	150.00	3.80		570.00		
	Cross Road-11		1	21.00	2.50		52.50		
	Cross Road-12		1	11.00	2.70		29.70		
	Temple surround		1	8.00	10.00		80.00		
	Cross road A		1	40.00	4.00		160.00		
	Cross road B		1	50.00	3.50		175.00		
							2832.10	72.08	204137.77
	Basic Rate Rs.=	68.00							
	Add 6% A.W Rs. =	4.08							
	Total Rate Rs. =	**72.08**							
10	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53 Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305 (P.No-147,I No-19.60)								
	For Footpath	Cum							
	LBS nagara								

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	RHS		1	435.00	1.50	0.20	130.50		
							130.50	344.50	44957.25
	Basic Rate Rs.=	325.00							
	Add 6% A.W Rs. =	19.50							
	Total Rate Rs. =	**344.50**							
11	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications Specification No. KBS (P.No-103,I No-14.60), 60mm thick								
	For Footpath	Sqm							
	LBS nagara								
	RHS		1	435.00	1.50		652.50		
							652.50	1116.18	728307.45
	Basic Rate Rs.=	1053.00							
	Add 6% A.W Rs. =	63.18							
	Total Rate Rs. =	**1116.18**							
12	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete ,complete As per the direction of Engineer incharge. (P.No 27, I.No.5.30 of PW, P&IWTD SR 2018-19)								
	For Drain	Nos							
	LBS Nagara								
	LHS		1	422.00			422.00		
	RHS		1	422.00			422.00		
							844.00		
							1876.00	432.48	811332.48
	Basic Rate Rs.=	408.00							
	Add 6% A.W Rs. =	24.48							
	Total Rate Rs. =	**432.48**							
13	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No 180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
	For Drain	Sqm							
	LBS Nagara								
	LHS		1	422.00	0.40		168.80		
	RHS		1	422.00	0.40		168.80		
							337.60	84.80	28628.48
	Basic Rate Rs.=	80.00							
	Add 6% A.W Rs. =	4.80							
	Total Rate Rs. =	**84.80**							
							Sub Total 1 Rs		7607771.77
	Add GST @ 12%								912932.61

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Add KRIDL @ 4%								304310.87
	DPR & PMC Charges including								174000.00
								Sub Total 2 Rs	8999015.25
	Miscellaneous & Rounding off								984.75
								Total Rs	9000000.00

CERTIFICATE:

1 The work spot has been inspected by me and the work is found to be necessan
2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2018-2019
3 The Provisions made in the estimate are quite necessary and adequate
4 The area comes with in the BBMP limits.

Assistant Engineer
Ward 04
BBMP

Assistant Executive Engineer
Yelahanka Newtown Sub Division
BBMP

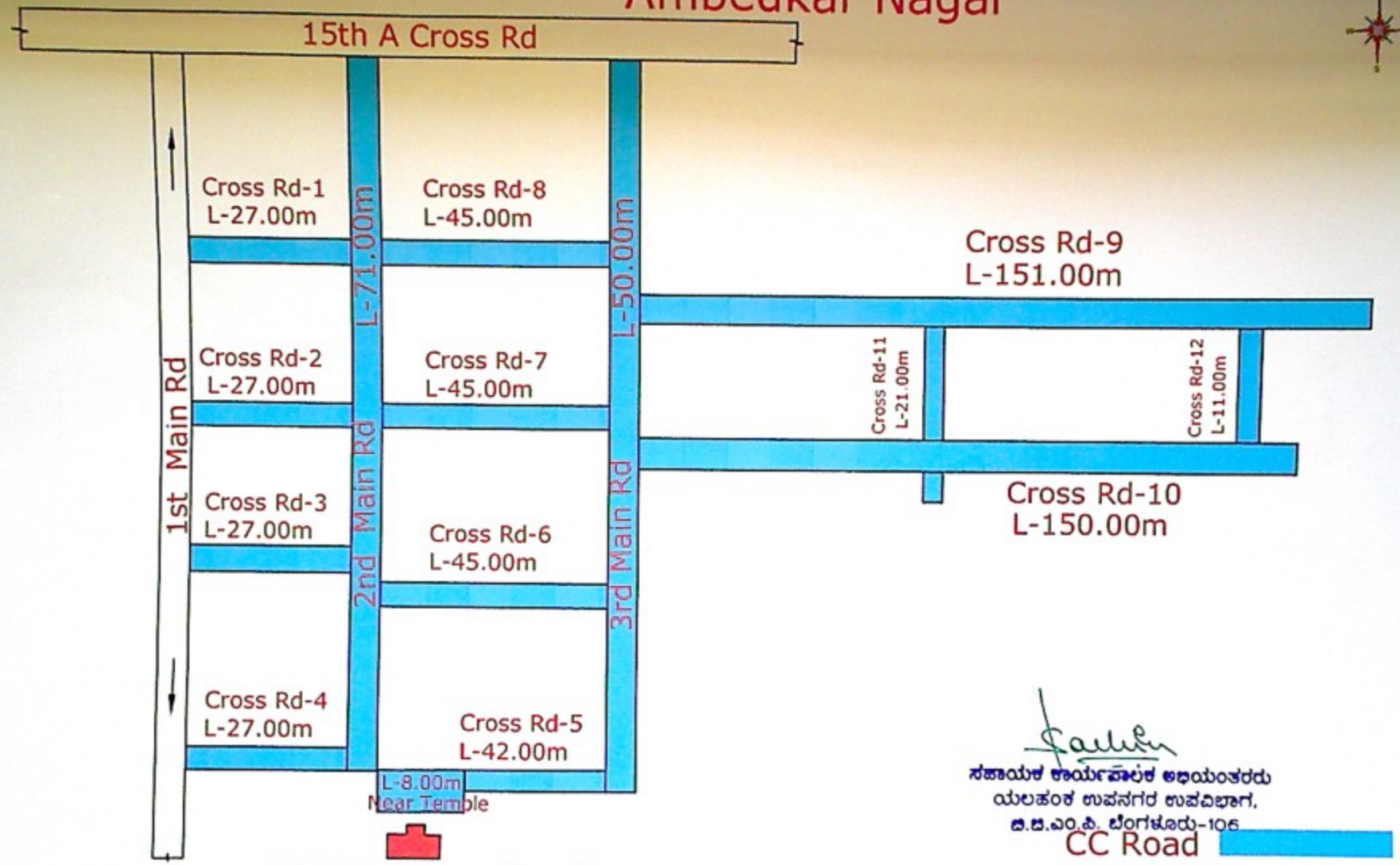
Executive Engineer
Yelahanka Division
BBMP

Administrative Sanction for Rs. 90.00 Lakhs
Ninety Lakhs only
is accorded under head P-3727
Chief Minister Navanagarothana
grant 2018-19
Registered as CE No. ..... Subject
to conditions conta
No. EE/YNK/AS/49/2019-20 28/10/2019
Executive Engi

Technical Sanction
Accorded For Rs 90 lakhs only
Head of A/C P3727
CER NO : 103 Dt 28.10.2019

TA CE (YNK)

Ambedkar Nagar



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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

CC Road

Ramanarayeeraiah

CLIENT: BRUHAT BANGALORE MAHANAGARA PALIKE	CONSULTANT:- Silicon Consulting Engineers 951317, 4th CROSS BEL 2nd STAGE BHARATH NAGAR BANGALORE 560 091	Assistant Engineer	Assistant Executive Engineer	Executive Engineer	Dwg Title: Improvements to roads and drains at SC/ST area of Ambedkarnagara,Kanakanagara and surrounding areas in ward no 04 of Yalahanka sub division.	Scale: N.T.S Date Rev: R0